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HIGH PERFORMANCE CAR AUDIO

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9235 S. McKemy St., Tempe, Arizona 85284
Phone: 602.705.5600 Fax: 602.705.5788

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THE Hott SET-UP®

T.H.S. POWER AMPLIFIER INSTALLATION MANUAL

ORION™
HIGH PERFORMANCE CAR AUDIO

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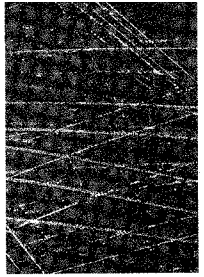


INTRODUCTION

Thank you for purchasing our Hott Set-Up amplifier. We are confident that your amplifier will give you years of trouble free performance. Hott Set-Up amplifiers are designed to give you "high-end" performance at "down to earth" prices. By incorporating the latest materials and technological advancements, we designed the THS amplifiers to deliver the most performance per dollar on the planet. To back this up both amplifiers undergo a battery of tests including a 2 hour burn-in stress test at full power. No other manufacturer offers this level of commitment. We have this dedication to quality because we want every Hott Set-Up amplifier to exceed your expectations.

GENERAL DESCRIPTIONS

- T150 - 37.5 watt per channel 2 channel amplifier with built-in variable high-pass or low-pass 12dB/Octave crossovers. The T 150 is capable of 3, 2, or 1 channel operation.

- T300 - 75 watt per channel 2 channel amplifier with built-in variable high-pass or low-pass 12db/Octave crossovers. The T 300 is capable of 3, 2, or 1 channel operation.

- T 475 - 37.5 watt per channel 4 channel amplifier with built-in variable high-pass or low-pass 12dB/Octave crossovers. The T 475 is capable of 6, 5, 4, 3 or 2 channel operation.

- T 600 - 150 watt per channel 2 channel amplifier with built-in variable low-pass 12dB/Octave crossover. The T 600 is capable of 3, 2, or 1 channel operation.

WHAT'S IN THE BOX

Listed below is a detailed list of the components included in this system package.

quantity	description
1	THS amplifier
1	Installation and operation manual
4	#8 self-tapping black Phillips pan head screws

INSTALLATION

The installation of your Hott Set-Up amplifier will determine the overall performance of your system. Improper installation will not only limit your system's performance but also compromise the reliability of this amplifier. To ensure proper sonic results and component reliability, please refer to your Authorized HOTT SET-UP dealer for installation assistance or advice. If you decide to perform the installation yourself, read the entire installation section of this manual before beginning.

TOOLS FOR THE TRADE

Listed are tools required to perform the installation. Having the proper tools will make the installation that much easier. It is very difficult when you get half way through the installation and discover that you require a tool to get yourself though a particular part of the installation. Some of these tools are necessities. Some make the job much easier.

- marking pen
- electric drill with assorted drill bits
- utility knife
- Phillips and flat blade screw drivers
- pliers (standard and needle nose)
- wire brush or sandpaper for chassis grounding
- solder iron and solder
- grommets
- heat shrink tubing
- nylon tie straps
- volt ohm meter (optional)
- wire cutters
- wire crimpers
- wire strippers

GENERAL PRECAUTIONS AND INSTALLATION TIPS

⚠ CAUTION: Be careful not to cut or drill into gas tanks, fuel lines, brake lines or hydraulic lines, vacuum lines or electrical wiring when working on your vehicle.

Disconnect the vehicle's ground wire at the battery before making or breaking connections to the audio systems power supply terminals. Do not use the amplifier unmounted. Failing to securely mount the amplifier can result in damage or injury, particularly in the event of an accident. Never mount an amplifier where it might get wet. Mount the HOTT SET-UP amplifier so the wire connections will not be pulled. Route the wires where they will not be scraped, pinched or damaged in any fashion.

The +12V power supply wire must be fused within 18" of the battery terminal. Use the recommended fuse size or circuit breaker listed in the "Power Connections" section of this manual.

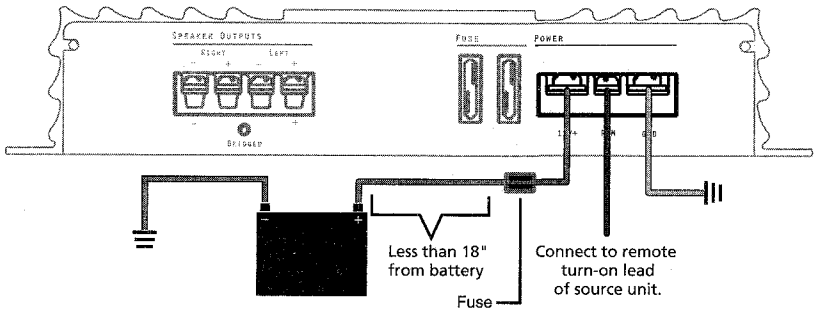
If you need to replace the fuse plugged into the side of the HOTT SET-UP amplifier, replace the fuse with the same size ATC type fuse that came with the amplifier. If you are not sure as to the correct value, refer to the "Power Connections" section of this manual for details. Using a higher current fuse may result in damage to the HOTT SET-UP amplifier which is not covered under warranty.

NOTE: Make sure all the equipment in the system is turned off when making or breaking connections to the HOTT SET-UP RCAs, high level inputs or speakers terminals. Turn on the system and slowly turn up the volume control only after double checking all settings and connections.

Power for systems with a single HOTT SET-UP amplifier can be supplied by most any automotive electrical system. Systems with multiple amplifiers may require a higher capacity battery, alternator or the use of a storage capacitor.

HOTT SET-UP amplifiers generate a certain amount of heat as part of their normal operation. Be sure the area around the cooling fins is unobstructed to allow adequate air circulation.

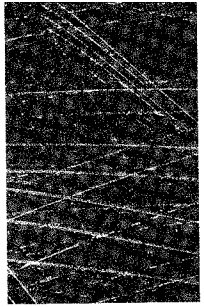
POWER CONNECTIONS



Amplifier	Wire Gauge	Fuse Size
T 150	8-10 Gauge	20A
T 300	8-10 Gauge	30A
T 475	8 Gauge	Dual 20A
T 600	8 Gauge	Dual 20A

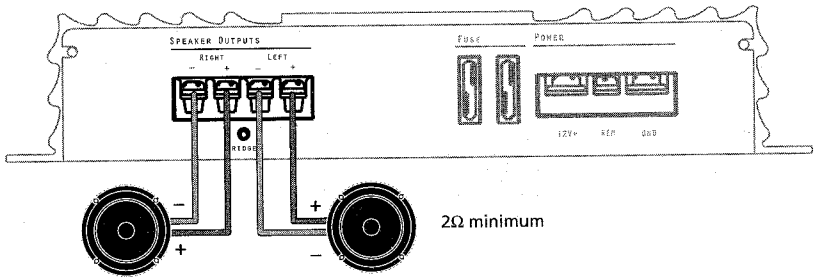
- Fuse power wire less than 18" from battery
- Ground amplifier to a good chassis ground as close as possible to the amplifier.
- Add extra ground wire between the negative terminal of the battery and the chassis.

NOTE: The addition of a ground wire from the battery to the chassis of the vehicle improves the ability of the battery to supply power to the amplifier. This helps especially in newer vehicles, where the current delivery of the factory electrical system was designed only to accommodate electronics supplied by the auto manufacturer.



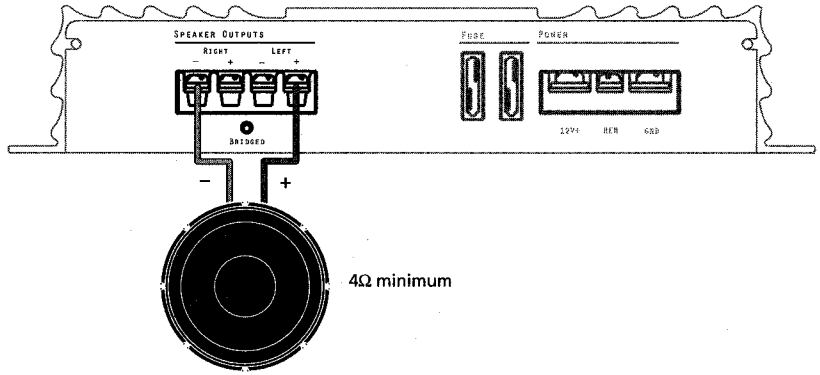
SPEAKER CONNECTIONS

T 150, T 300, T 600 2 CHANNEL STEREO CONFIGURATION



- Lowest Recommended Impedance is 2Ω per channel Stereo.
- Output can be configured for high-pass, low-pass or full range operation. (High-pass crossover available on T150 and T 300.)
- Output can be configured either for stereo operation or summed for subwoofer applications.
- T 600 Low-pass crossover can be configured for either stereo 12dB/Octave roll-off or summed mono 24dB/Octave roll-off.
- Bass boost will add +6dB at 45 Hz.

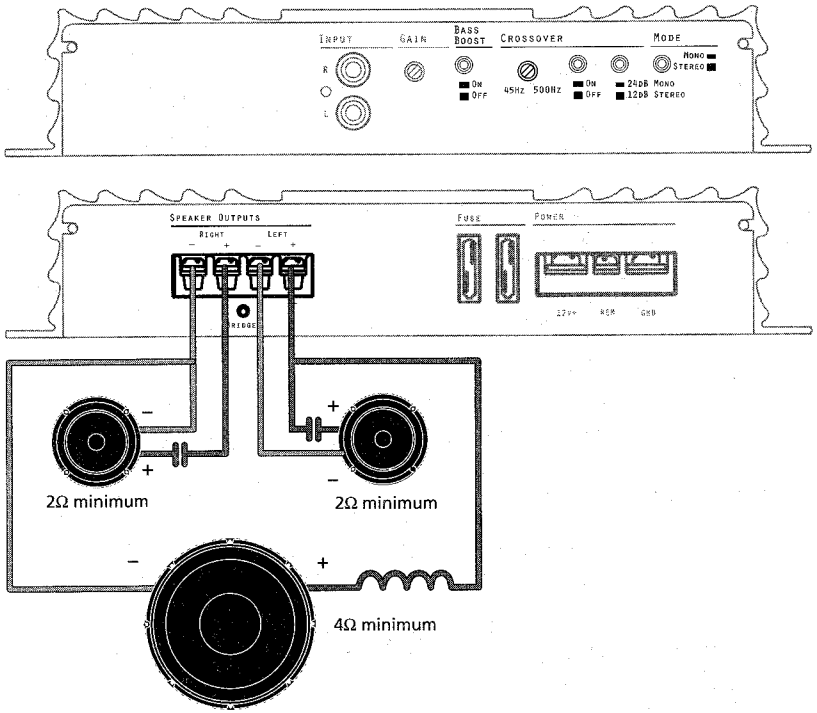
T 150, T 300, T 600 SINGLE CHANNEL BRIDGED CONFIGURATION



- Lowest recommended impedance is 4Ω bridged mono.
- Output can be configured for low-pass or full range operation.
- Output can be configured either for stereo operation or summed-mono operation for subwoofer applications.
- Low-pass crossover can be configured for either stereo 12dB/Octave roll-off or summed mono 24dB/Octave roll-off. (T 600 only)
- When the output is bridged, it is recommended to use the amplifier in the mono setting.
- When the output is set for mono operation, either or both of the RCA inputs can be used.
- Bass boost will add +6dB at 45 Hz.

NOTE: when only using one RCA input, a 6dB increase in system hiss will occur. When possible, use both RCA inputs.

T 150, T 300, T 600 3 CHANNEL TRI-MODE CONFIGURATION

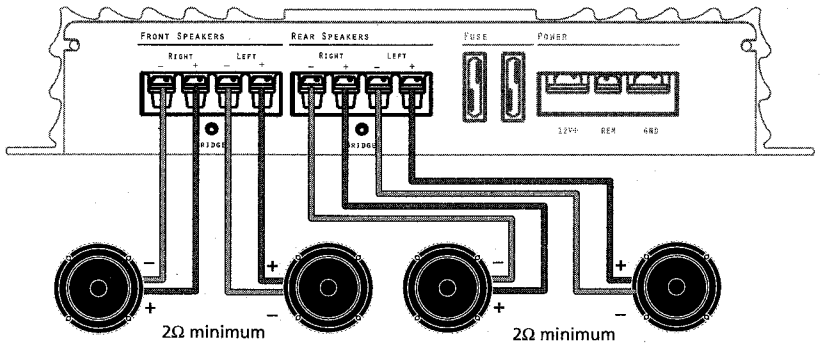


- Lowest recommended impedance is 2Ω per channel stereo and 4Ω bridged mono.
- Crossover setting must be in the "OFF" position
- Output must be configured for stereo operation.
- Passive crossover frequencies must not overlap.

WARNING: Failure to do so may result in damage to the amplifier.

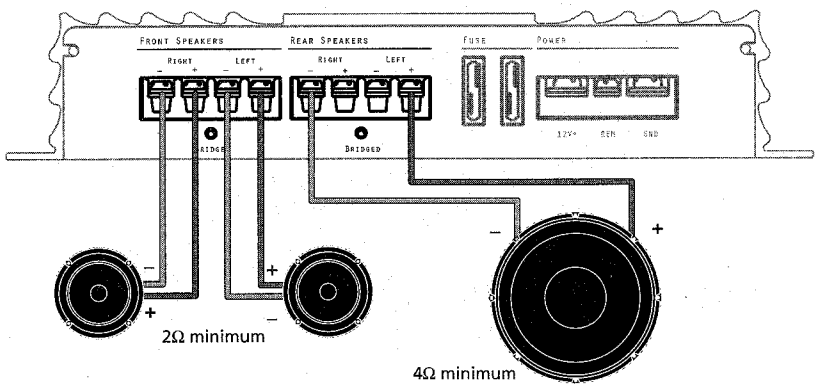
- For optimum performance results, we recommend the use of the **Wired** CSX-TMC. This passive crossover is designed for 4Ω satellites and a single 4Ω subwoofer.
- Bass boost will add +6dB at 45 Hz.

T 475 4-CHANNEL STEREO CONFIGURATION



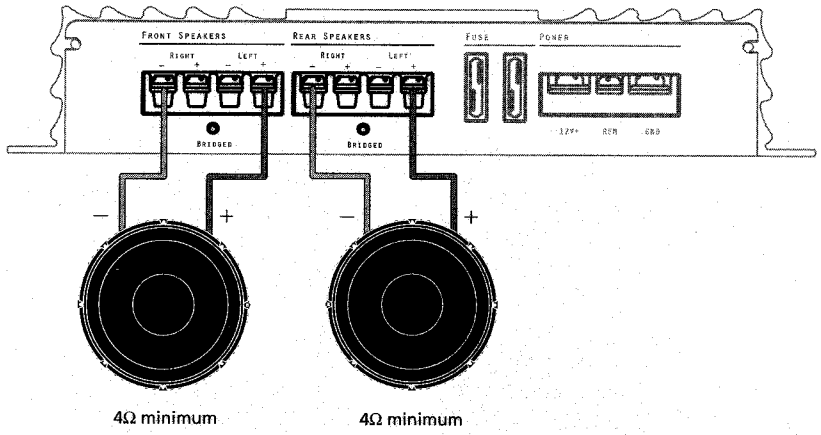
- Lowest Recommended Impedance is 2Ω per channel stereo.
- Input can be configured for either 2 channel of 4 channel input.
- Output can be configured for high-pass, low-pass or full range operation.
- Output can be configured for either stereo operation or summed for subwoofer applications.
- Bass boost will add +6dB at 45 Hz.
- Front and rear outputs, bass boost and crossovers configurations are fully independent.

T 475 3-CHANNEL STEREO/BRIDGED CONFIGURATION



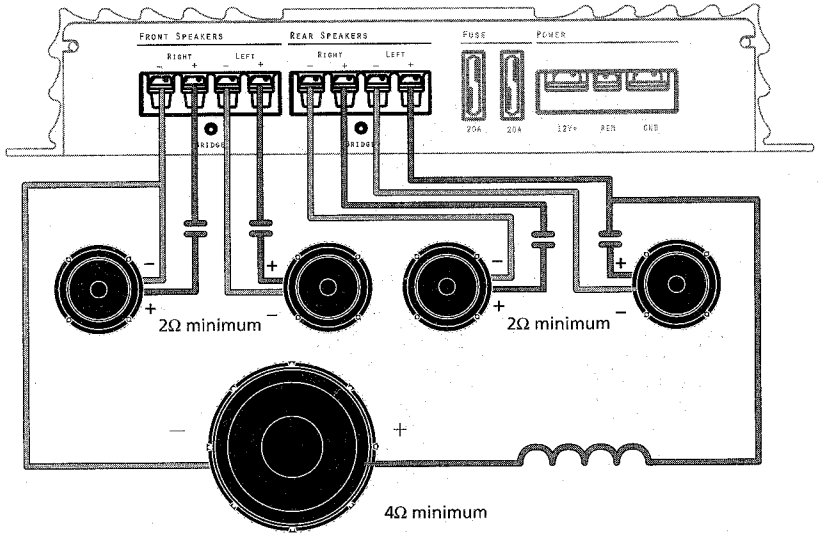
- Lowest Recommended Impedance is 2Ω per channel stereo or 4Ω bridged mono.
- Input can be configured for either 2 channel or 4 channel input.
- Output can be configured for high-pass, low-pass or full range operation.
- Output can be configured for either stereo operation or summed for subwoofer applications.
- Bass boost will add +6dB at 45 Hz.
- Front and rear outputs, bass boost and crossovers configurations are fully independent.

T 475 2-CHANNEL BRIDGED MONO CONFIGURATION



- Lowest Recommended Impedance is 4Ω bridged mono.
- Input can be configured for either 2 channel or 4 channel input.
- Output can be configured for high-pass, low-pass or full range operation.
- Output can be configured for either stereo operation or summed for subwoofer applications.
- Bass boost will add +6dB at 45 Hz.
- Front and rear outputs, bass boost and crossovers configurations are fully independent.

T 475 5-CHANNEL TRI-MODE CONFIGURATION

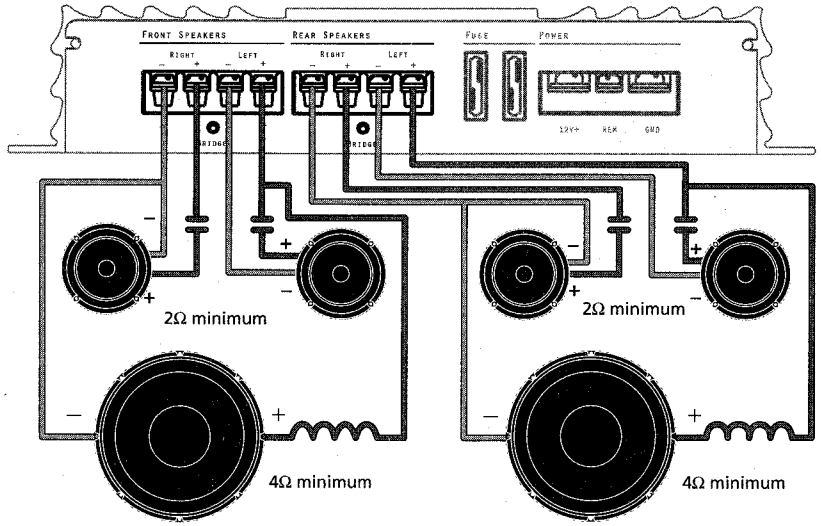


- Lowest Recommended Impedance is 2Ω per channel stereo or 4Ω bridged mono.
- Input can be configured for either 2 channel or 4 channel input.
- Output can be configured for either stereo operation or summed for subwoofer applications.
- Crossover setting in the "OFF" position
- Output must be configured for stereo operation.
- Crossovers, bass boost and output configurations should be set the same for front and rear channels
- Front and rear gain can be set independently.
- Passive crossover frequencies must not overlap.

WARNING: Failure to do so may result in damage to the amplifier.

- For optimum performance results, we recommend the use of the **Wired** CSX-TMC. This passive crossover is designed for 4Ω satellites and a single 4Ω subwoofer.
- Bass boost will add +6dB at 45 Hz.

T 475 6-CHANNEL TRI-MODE CONFIGURATION



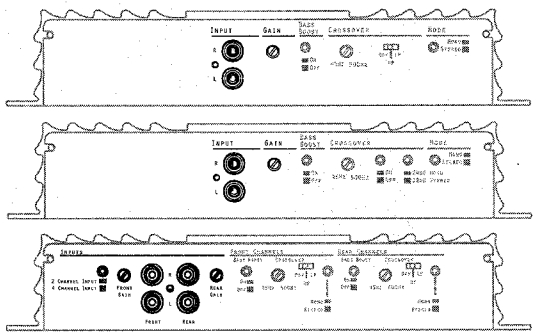
- Lowest Recommended Impedance is 2Ω per channel stereo or 4Ω bridged mono.
- Input can be configured for either 2 channel or 4 channel input.
- Output can be configured for either stereo operation or summed for subwoofer applications.
- Crossover setting in the "OFF" position
- Output must be configured for stereo operation.
- Crossovers, bass boost and output configurations should be set the same for front and rear channels
- Front and rear gain can be set independently.
- Passive crossover frequencies must not overlap.

WARNING: Failure to do so may result in damage to the amplifier.

- For optimum performance results, we recommend the use of the **Wired** CSX-TMC. This passive crossover is designed for 4Ω satellites and a single 4Ω subwoofer.
- Bass boost will add +6dB at 45 Hz.

INPUT SETTINGS

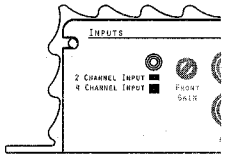
- T 150/300 Input and gain controls
- T 600 RCA Inputs and Gain Controls
- T 475 RCA Inputs and Gain Controls



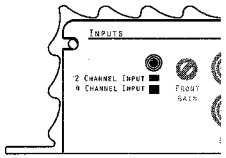
The 150, T 300, T 600 and T 475 RCA (low level inputs) Input levels are controlled by the GAIN control located next to the RCA inputs. The RCA input sensitivity ranges from 100 mV to 10Vrms. This allows for easy integration with any low level RCA output source unit.

INSTALLATION TIP: The GAIN control is for matching the output of a source unit to the amplifier. It is not a volume control. Adjusting the gain will increase output until the maximum output of the amplifier is reached. Increasing the gain setting beyond this point will not increase output. It will create distortion and system noise which is potentially damaging to your speakers.

T 475 2 CHANNEL 4 CHANNEL INPUT SETTING



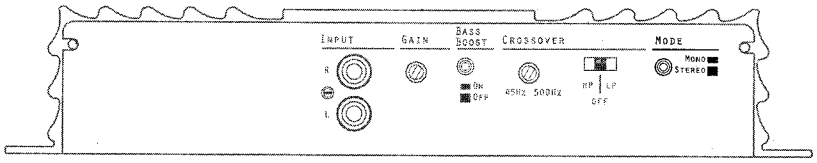
The T 475 can be configured for 2 channel or 4 channel input. When the push button is in the "OUT" position, front and rear outputs are fed separately via the front and rear RCA inputs.



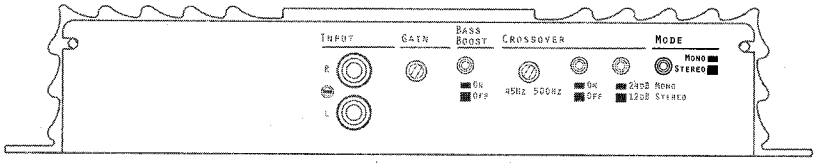
When the push button switch is in the "IN" position, the front RCA inputs feeds both front and rear outputs.

OUTPUT SETTING

T 150, T 300, T 600 OUTPUT SETTINGS



T 150 / T 300



T 600

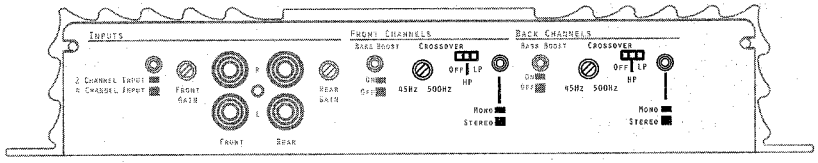
Two position switches determine output configuration for the T 150, T 300 and T 600. The left and the right channel can be configured for stereo or summed bridged operation. The switch is located on the right side, on the adjustment side of the amplifier.

When the push button switch is in the "OUT" position, the amplifier is configured for stereo operation.

When the push button switch is in the "IN" position, the amplifier is configured for summed bridged operation.

NOTE: Either one of the two RCA inputs can be used in this situation. However, if only one RCA input is used a 6dB increase in amplifier background noise will result.

T 475 OUTPUT SETTINGS



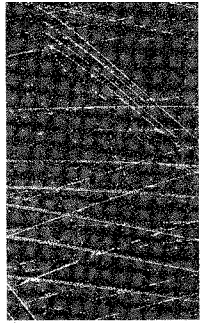
T 475

Two position switches determine output configuration for the T 475. The left and the right channel can be configured for stereo or summed bridged operation. The switches are located toward the right side, on the adjustment side of the amplifier. The front and rear channels are independently adjustable.

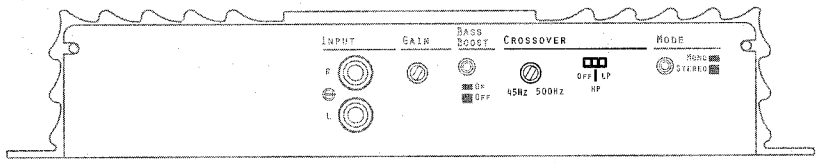
When the push button switch is in the "OUT" position, the amplifier is configured for stereo operation.

When the push button switch is in the "IN" position, the amplifier is configured for summed bridged operation.

NOTE: Either one of the two RCA inputs can be used in this situation. However, if only one RCA input is used a 6dB increase in amplifier background noise will result.



CROSSOVER SETTING



The THS amplifiers use multi-position switches to determine their crossover configuration. The multi-position switch is located on the adjustment side of the amplifier. The T 475 front and rear crossover settings are fully independent. Listed below are the switch positions and their respective crossover configurations.

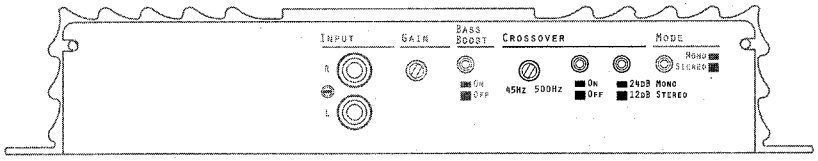
T 150 AND T 300 CROSSOVER SETTING

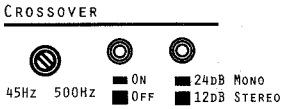
When the switch is in the left "OFF" position, the crossover section is by-passed. Amplifier output is at full range.

When the crossover switch is in the center "HP" position, the crossover section is set for high-pass operation. The frequency range is 45 Hz to 500 Hz.

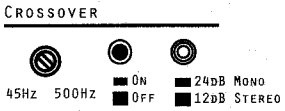
When the crossover switch is in the right "LP" position, the crossover section is set for low-pass operation. The frequency range is 45 Hz to 500 Hz.

T 600 CROSSOVER SETTING

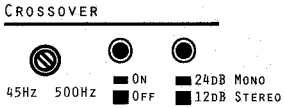




When the crossover push button switch is in the "OUT" position, the crossover section is not active and the output of the amplifier is full range. The 24dB Mono/12dB Stereo button is non-functional.

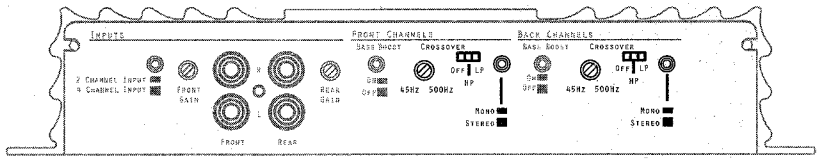


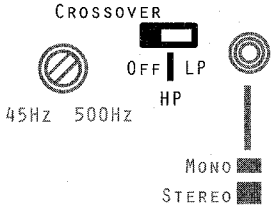
When the crossover push button switch is in the "IN" position, the crossover section is set for low-pass operation. The frequency range is 45 Hz to 500 Hz



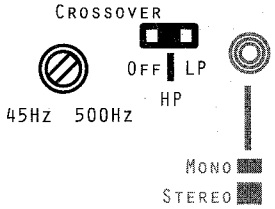
The 24dB Mono/12dB Stereo button when engaged increases the slope rate of the crossover from 12dB per octave to 24dB per octave and the output is summed mono. This is extremely useful for subwoofer applications.

T 475 CROSSOVER SETTINGS

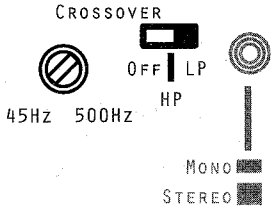




When the switch is in the left "OFF" position, the crossover section of the amplifier is by-passed. Amplifier output is full range.



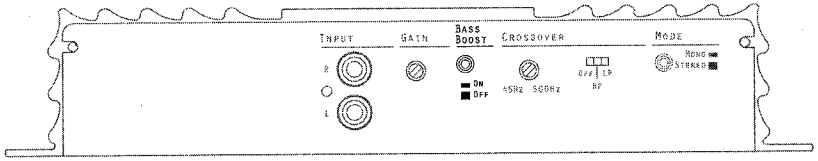
When the switch is in the center "HP" position, the crossover section of the amplifier is set for high-pass operation. The frequency adjustment for the high-pass crossover is to the left of the crossover selection switch. The frequency range is 45Hz to 500 Hz.



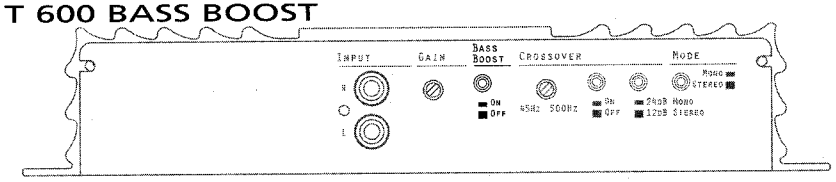
When the switch is in the right "LP" position, the crossover section is set for low-pass operation. The frequency adjustment is to the left of the crossover selection switch. The frequency range is 45 Hz to 500 Hz.

BASS BOOST SETTINGS

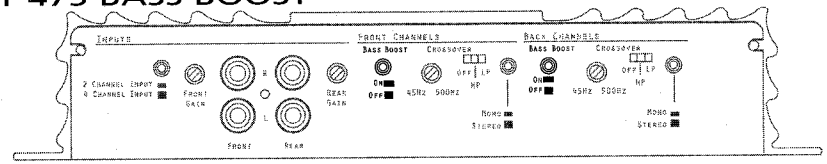
T 150/300 BASS BOOST



T 600 BASS BOOST



T 475 BASS BOOST



THS amplifiers have an internal equalization bass boost. When engaged, the amplifier increases the bass output by 6dB. The boost center frequency is 45 Hz. This is useful to compensate for bass loss caused by severe road noise, or low volume settings

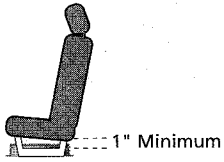
When the push button switch is in the "OUT" position, "BASS BOOST" feature is not active. The frequency response of the amplifier is flat.

When the push button switch is in the "IN" position, the "BASS BOOST" feature is activated. The frequency response of the amplifier is boosted 6dB at 45Hz.

CHOOSING MOUNTING LOCATIONS

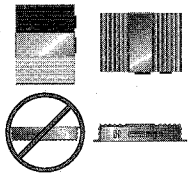
The location of your Hott Set-Up amplifier will depend on several important issues. Due to the low profile size of the Hott Set-Up amplifiers, there are many possible installation location that will yield satisfactory amplifier performance. Always mount the amplifier in a place that protects the amplifier from the elements. In addition, mount the amplifier on a stable flat mounting surface. As with any amplifier, there are several possible mounting locations and configurations that can be optimal. We will cover the most obvious of situations.

PASSENGER COMPARTMENT MOUNTING



If you are going to mount the amplifier in the passenger compartment, make sure you have adequate room for ventilation. The Hott Set-Up amplifiers have been designed with a low profile to make possible under seat mounting. When mounting your amplifier under a seat or similar area, keep a minimum of 1" of clearance around the amplifier for adequate cooling.

TRUNK COMPARTMENT MOUNTING



Mounting the Hott Set-Up amplifier in the trunk provides excellent performance as long as you do not mount the amplifier upside down or restrict the airflow around the Heatsink of the amplifier. For optimal results, mount the amplifier with the cooling fins in the vertical position. This type of mounting will yield the best cooling due to the convection effect of the amplifier chassis

ENGINE COMPARTMENT MOUNTING

Do not mount the Hott Set-Up amplifier in the engine compartment. The amplifier was not designed to endure the harsh environment of the exterior elements.

INSTALLING THE HOTT SET-UP AMPLIFIER

Step 1 — Determine the location for the amplifier. Refer to the *"Mounting Locations"* section in this manual for detailed information.

Step 2 — Decide on the system configuration for your amplifier. For system configuration, refer to the *"Speaker Connections"* section of this manual for possible speaker configurations.

Step 3 — You should not run power wires, speaker wire and audio cables together as they pose a great potential for induced system noise.

Step 4 — Pre-drill amplifier mounting holes. Be sure to "think before you drill". Gas tanks, fuel lines, and other obstructions have a nasty way of hiding themselves. For best results use a marking pen to mark the mounting holes and pre-drill these holes with a standard 1/8" drill bit.

Step 5 — Mount the amplifier. Make sure the amplifier is mounted on a flat surface. If this is not possible, be sure not to over tighten the screws such that the chassis of the amplifier becomes twisted or bent.

Step 6 — Turn the vehicle key switch to the off position.

Step 7 — Disconnect the vehicle battery ground terminal.

Step 8 — Connect the RCA and speaker wires to the amplifier. Check the quality of your speakers and signal connections. This will determine the ultimate performance of your HOTT SET-UP amplifier. Refer to the *"Speaker Connections"* section of this manual for correct wiring instructions.

Step 9 — Connect power wires to the amplifier. At this time do not connect the fuse at the main battery.

Step 10 — Reconnect the ground terminal to the battery.

Step 11 — Set crossover and output level. Refer to the *"Crossover Setting"* and *"Output Settings"*

Step 12 — Once satisfied that all connections and settings are correct, install fuse located near the vehicle battery and test the system at low volume to ensure you have completed the installation correctly.

Step 13 — Reduce the gain to its minimum position.

Step 14 — Using music with high dynamic content, turn up the volume on your source unit to the 3/4 position, or lower if your unit distorts before the 3/4 point.

Step 15 — If higher output is desired, slowly increase the gain setting of the amplifier until ideal output is achieved or distortion is heard.

WARNING: Do not distort the output of your system. Playing your system with audible distortion will drastically reduce the life of your speakers.

Step 16 — ENJOY YOUR SYSTEM!

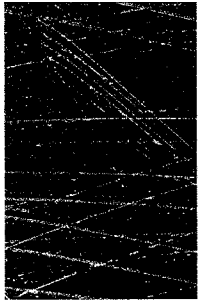
WARNING!!!! Never exceed the recommended fuse size of this amplifier. Failure to do so will result in the void of your warranty.

TROUBLE SHOOTING

symptom	probable cause	action to take
No output	Low or no remote turn-on input	Check remote turn-on voltage output at amplifier and fix as needed
	Fuse blown	Check power wire integrity and check for speaker shorts. Fix as needed and replace fuse
	Power wires not connected	Check power wire and ground connections and fix or replace as needed
	Audio input not connected	Check RCA connections and fix or replace as needed
	Speaker wires not connected	Check speaker wires and fix or replace as needed
	Speakers are blown	Check system with known working speakers and fix or replace speakers as needed
Audio cycles on and off	Thermal protection engaged when amplifier Heatsink temperature exceeds 90° C	Make sure there is proper ventilation for amplifier and improve ventilation as needed
	Loose or poor audio input	Check RCA connections and fix or replace as needed
	Loose power connections	Check power wire and ground connections and fix or replace as needed
Distorted output	Amplifier level sensitivity set too high. Exceeding maximum capability of amplifier	Reset gain. Refer to the *"Input Settings"* section of this manual for detailed instructions
	Impedance load to amplifier too low	Check speaker impedance load, if below 2Ω stereo or 4Ω mono rewire speakers to achieve a higher impedance
	Shorted speaker wires	Check speaker wires connections and fix or replace as needed
	Speaker not connected to amplifier properly	Check speaker wiring and fix or replace as needed. Refer to the *"Speaker Connections"* section of this manual for detailed instructions
	Internal crossover not set properly for speakers	Reset crossovers. Refer to the *"Crossover Setting"* section of this manual for detailed instructions
	Speakers are blown	Check system with known working speakers and fix or replace as needed

TROUBLE SHOOTING

symptom	probable cause	action to take
Poor bass response	Speakers wired with wrong polarity causing cancellation at low frequency	Check speaker polarity and fix as needed
	Crossover set incorrectly	Reset crossovers. Refer to the *"Crossover Setting"* section of this manual for detailed instructions
	Impedance load to low	Check speaker impedance load, if below 2Ω stereo or 4Ω mono rewire speakers to achieve a higher impedance
Battery fuse blowing	Short in power wire or incorrect power connections.	Check power and ground connections and fix or repair as needed
	Fuse used is smaller than recommended	Replace with proper fuse size
	Too much current being drawn	Check speaker impedance load, if below 2Ω stereo or 4Ω mono rewire speakers to achieve a high impedance
		Check power and ground connections and fix or repair as needed
Amplifier fuse blowing	Too much current being drawn	Check speaker impedance load, if below 2Ω stereo or 4Ω mono rewire speakers to achieve a high impedance and replace with recommended size fuse
		Check power and ground connections and fix or repair as needed
	Fuse used is smaller than recommended	Replace with proper fuse size



SPECIFICATIONS

amplifier section	**T 150**	**T 300**
Power output 4Ω (watts)[1]	2 x 37.5	2 x 75
	1 x 150	1 x 300
Power output 2Ω (watts)[2]	2 x 75	2 x 150
Distortion all channels driven	<0.5% THD from 20 Hz to 20,000 Hz	
Frequency Response	±0.25 dB from 20 Hz to 20,000 Hz	
Linear Bandwidth	±3.0 dB from 6 Hz to 50,000 Hz	
Signal-to-noise ratio	70 dB	70 dB
Vrms for full output	Input sensitivity	100 mV to 10
Input impedance	10 kΩ	10 kΩ
Fuse type	20 ATC	30 ATC

crossover section[3]		
Crossover Type	Variable High-pass & Low-pass	
Frequency Range	45 Hz to 500 Hz	45 Hz to 500 Hz

general		
Dimensions (L x W x H)	7"x10.5"x1.95"	9.5"x10.5"x1.95"
	178mm x 267mm x 50mm	241mm x 267mm x 50mm

1. All channels driven, continuous 4 Ω load, 20 Hz to 20,000 Hz, <0.5% THD, power input voltage at 14.4 VDC.
2. All channels driven, continuous 2 Ω load, 20 Hz to 20,000 Hz, <1.0% THD, power input voltage at 14.4 VDC.
3. All crossovers are with a slope rate of 12 dB/Octave and a "Q" of .707

SPECS CONTINUED

amplifier section	**T 600**	**T 475**
Power output 4Ω (watts)[1]	2 x 150	4 x 37.5
	1 x 600	2 x 150
Power output 2Ω (watts)[2]	2 x 300	4 x 75
Distortion all channels driven	<0.5% THD from 20 Hz to 20,000 Hz	
Frequency Response	±0.25 dB from 20Hz to 20,000Hz	
Linear Bandwidth	±3.0 dB from 6Hz to 50,000Hz	
Signal-to-noise ratio full	70 dB	70 dB
Input sensitivity	From 100 mV to 10 Vrms for full output	
Input impedance	10 kΩ	10 kΩ
fuse type	(2) 20 ATC	(2) 20 ATC

crossover section[3]		
Crossover Type	Variable High-pass & Low-pass	Variable Low-pass
Frequency Range	45 Hz to 500 Hz	45 Hz to 500 Hz

general		
Dimensions (L x W x H)	13"x10.5"x1.95"	12"x10.5"x1.95"
	330mm x 267mm x 50mm	304mm x 267mm x 50mm

1. All channels driven, continuous 4 Ω load, 20 Hz to 20,000 Hz, <0.5% THD, power input voltage at 14.4 VDC.
2. All channels driven, continuous 2 Ω load, 20 Hz to 20,000 Hz, <1.0% THD, power input voltage at 14.4 VDC.
3. All crossovers are with a slope rate of 12 dB/Octave and a "Q" of .707

WARRANTY

The Hott Set-Up by Orion Industries Inc. (hereafter THS) warrants this product to be free from defects in material and workmanship under the following terms:

PARTS and LABOR are warrantied for a period of 1 year, from the date of the first consumer purchase from an Authorized THS Dealer. Except as specified below, this warranty covers ALL defects in material and workmanship in this product. The following are NOT covered by this warranty:

1. Any product which is NOT purchased from an Authorized THS Dealer. If you are uncertain as to whether your dealer is authorized, please contact ORION at (602) 705-5600. In countries other than the USA, each distributor warrantees the THS products which it sells. (If product is purchased from a non-authorized dealer, the warranty is 90-days from date of purchase).
2. Any product on which the serial number has been defaced, modified or removed.
3. Damage or malfunction resulting from;

a. accident, misuse, abuse, unauthorized modification or failure to follow the instructions provided with the product
b. repair by anyone NOT authorized by THS
c. damage due to shipping (these claims must be presented to the freight carrier)
d. removal or installation of the product
e. any failure that has NOT been caused by a defect in material or workmanship

This warranty is in effect for the original purchaser only. THS will pay for labor and material expense for covered items. THS does not cover removal or installation charges, payment of shipping charges to THS, payment of OUT-OF-WARRANTY shipping charges, or damage to other property caused by any defects in this product.

For IN-WARRANTY service you must include a copy of the original, dated sales receipt, including serial number, from an Authorized THS Dealer. Please also enclose your name, return street address (No P.O. Boxes) and a detailed description of the problem.

For OUT-OF-WARRANTY products, please include the THS E-Z Repair Form. These are available by contacting Orion Repair at 1-888-362-5283 or 1-602-705-5600 ext. 251

* If you do not have the original packaging, the product must be packaged to prevent damage during shipment.

THE HOTT SET-UP
Attn: Repair Department
9235 S. McKemy St., Tempe, AZ 85284 USA

Exclusion

1. This warranty is in lieu of all other warranties expressed or implied.
2. In no event will THS be liable for any consequential damages resulting from use of the products or any defect in the product.

This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.